

UKR SPEC _ systems

UKRSPECSYSTEMS is a Ukrainian based company focused in developing and producing UAV platforms, camera payloads and related equipment.

USG-212



EO and IR sensors gyro-stabilized gimbal with some advanced features

USG-211



Compact multi-purpose single sensor (EO or IR) gimbal

USG-301

USG-302

USG-302



Industrial 3-axis gyro-stabilized gimbal with Full HD camera with 30x optical zoom



Industrial 3-axis gyro-stabilized gimbal with Full HD camera with 30x optical zoom



Dual sensor 3-axis gyro-stabilized gimbal for VTOL multirotor drones

USG-212 Gimbal



Dual-sensor compact and light-weight 2-axis gyro-stabilized gimbal for fixed-wing platforms



EO Sensor

- Sony EV7500 Full HD 1080p
- 30x optical zoom
- Anti-fog feature



Features

- 360 degrees rotation
- Weather sealed
- Anti-vibration damping mount
- Ethernet or 3G-SDI out



IR sensor

- 640 by 512 resolution
- 30 Hz refresh rate
- 40 mm lens



Options

- Digital video stabilization
- Target tracking
- Movement detection
- Georeference



Dimensions

- Height: 266 mm
- Width: 160 mm
- Weight: 2400 g

USG-211 Gimbal



Compact 2-axis gyro-stabilized gimbal for fixed-wing and multirotor platforms



EO Sensor

- Sony EV7500 Full HD 1080p
- 30x optical zoom
- Anti-fog feature



Features

- 360 degrees rotation
- Weather sealed
- Anti-vibration damping mount
- Ethernet or 3G-SDI out



Dimensions

- Width: 123 mm
- Length: 123 mm
- Height: 164 mm
- Weight: 950 g



Options

- Digital video stabilization
- Target tracking
- Movement detection
- Georeference

USG-302 Gimbal



Dual-sensor 3-axis gimbal for multirotor VTOL platforms



EO Sensor

- Sony EV7500 Full HD 1080p
- 30x optical zoom
- Anti-fog feature



IR sensor

- 640 by 512 resolution
- 30 Hz refresh rate
- 40 mm lens



Dimensions

- Height: 170 mm
- Length: 192 mm
- Weight: 1400 g



Features

- 360 degrees rotation
- Weather sealed
- Anti-vibration damping mount
- 3G-SDI out or HDMI out
- S.BUS or PPM control signals



Options

- Digital video stabilization
- Target tracking
- Movement detection
- Georeference

USG-301 Gimbal



Industrial grade 3-axis gyro-stabilized gimbal for multirotor platforms



EO Sensor

- Sony EV7500 Full HD 1080p
- 30x optical zoom
- Anti-fog feature



Dimensions

- Width: 191 mm
- Length: 192 mm
- Height: 162 mm
- Weight: 950 g



Features

- 360 degrees rotation
- Weather sealed
- Anti-vibration damping mount
- HDMI or 3G-SDI out
- S.BUS or PPM control signals



Options

- Digital video stabilization
- Target tracking
- Movement detection
- Georeference



2-axis gyro-stabilized micro gimbal for fixed-wing and multirotor platforms



EO Sensor

- Full HD 1080p
- 10x optical zoom
- Optical image stabilization



Features

- 360 degrees rotation
- Weather sealed
- Anti-vibration damping mount
- Serial or PPM control signals



Dimensions

- Width: 96 mm
- Length: 90 mm
- Height: 124 mm
- Weight: 350 g



Options

- Digital video stabilization
- Target tracking
- Movement detection
- Georeference

Digital Video Processing



Our Digital Video Processing module can be connected to any of our gimbals and adds a wide range of great features



Digital Video Processing

- Digital video stabilization
- Target tracking
- Movement detection
- Multichannel feed processing and output
- Dual feed video recording



Communications

- HDMI in/out
- SDI in/out
- Ethernet
- RS 232
- 256 GB SDD for video/data recording or MicroSD card



Dimensions

- Size 138 x 138 x 62 mm (enclosed)
- Weight 680 g

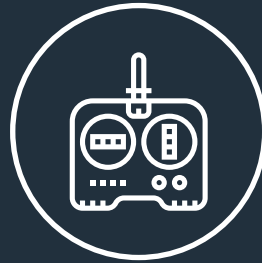
Our gimbal are fully compatible with most commercial drones and equipment on the market



Fixed-wing UAV



Multicopter VTOL drones



Full HD commercial video links



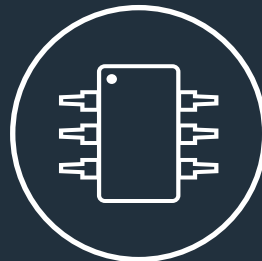
IP data links



Helicopters



Small manned aircrafts



COFDM video links



Other HDMI/SDI/IP data links

Gimbals compatibility

Our gimbals are designed to be used with most popular air vehicles and equipment the market. We did our best to reduce integration need to minimum

	PD-1 fixed-wing UAV or similar	DJI S1000	DJI Matrice 600	DJI Lightbridge 2	Amimon Connex	HDMI and SDI video links	IP data links
USG-212	✓	✗	✗	✗		✓ <small>Dual input only</small>	✓ <small>With video processing module</small>
USG-211	✓	✓	✓	✓	✓	✓	✓ <small>With video processing module</small>
USG-301	✗	✓ <small>Standard DJI mount and connectors</small>	✓ <small>Standard DJI mount and connectors</small>	✓ <small>Plug & Play — standard connectors</small>	✓ <small>Plug & Play — standard connectors</small>	✓	✗
USG-302	✗	✓ <small>Standard DJI mount and connectors</small>	✓ <small>Standard DJI mount and connectors</small>	✓ <small>Plug & Play — standard connectors</small>	✓ <small>Plug & Play — standard connectors</small>	✓	✗
USG-251	✓	✓	✓	✓	✓ <small>With converter</small>	✓	✗

✓ — Fully compatible out of the box

Our gimbals can be used for wide variety of applications



Commercial



**Public
Safety & Military**



Industrial

**UKR
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www.ukrspecsystems.com